

RESEARCH REVIEW TEAM DATA REQUEST JOINT INSTITUTE QUESTIONS

**Cooperative Institute for Climate Applications and Research (CICAR)
February 17, 2004**

1. CICAR, established in July of 2003, is a cooperative institute between NOAA and Columbia University, New York. CICAR research themes include: 1) modeling, understanding, prediction, and assessment of climate variability and change; 2) development, collection, analysis, and archiving of instrumental and paleoclimate data; and 3) development of the application of climate variability and change prediction and assessment to provide information for decision makers and assess risk to water resources, agriculture, health, and policy. CICAR brings together scientists from NOAA Laboratories, in particular the Geophysical Fluid Dynamics Laboratory in Princeton, New Jersey, and scientists of the Earth Institute at Columbia University, in particular the Lamont Doherty Earth Observatory.
2. Given the July 2003 CICAR start date; questions regarding full year funding cannot be answered.
 - a. Information provided by NOAA JI staff member Linda McLaughlin
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 - c. Currently 100% of CICAR research is medium term (2-5 years)
 - d. CICAR research is global in scope:
 - CICAR scientists model and study climate variability on a global scale throughout recent and geological times. The research also includes regional emphasis such as understanding the role of the tropics in global climate variability as well as modeling physical process in high latitudes.
3. Currently 79 percent of CICAR funding comes from NOAA.
4. CICAR brings a unique combination of climate modeling and climate data collection and analysis that has been the staple of the Lamont Doherty Earth Observatory research for the past 50 years. Lamont scientists have emphasized the study of the Earth climate history through the development, collection, and analysis of proxy data from marine sediments, tree rings, corals, and glaciers. Lamont scientists also participate in the collection of modern ocean observations to understand ocean processes and improve models. More recently Lamont and Columbia University scientists have established interdisciplinary research and education programs to develop methods and applications for providing climate information to decision makers in the areas of health, policy, water resources, and agriculture. This new endeavor, under the name of The Earth Institute at Columbia University, is unique in pooling world-class expertise in the physical and social sciences to work on core problems facing the world today.

5. Since the establishment of CICAR in July 2003, NOAA funding, for this grant specifically, has provided for 50% of salary for one staff person – the CICAR administrative assistant (AA). This information will be updated as additional NOAA grants come under the CICAR cooperative agreement.

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